ISST Next Steps for Recommendations of
May 28, 2003 S&T Committee Meeting

Immediate Opportunities
MDL expanding MOS data
1. Set up meeting with MDL (Statistical Modeling Branch) to discuss options (July 31, 2003 – MDL, ISST, PMB)
2. Formulate plan for distribution and use of these new data (August 31, 2003 – MDL, PMB)
3. Assess as early proof-of-concept for gridded MOS (December 31, 2003 – MDL, ISST, PMB)

Verification efforts
1. Assess verification results of ORD (July 31, 2003 – MDL, ISST)
2. Ensure MDL and WR work to prototype gridded verification using 2.5 km ADAS (August 31, 2003 – MDL, WRH, PMB)
3. Review National Verification IWT report and provide suggestions and endorsement (August 1, 2003 – ISST, PMB)

Recommendations
Immediate and optimal use of SBN
1. Identify and prioritize new NCEP data sets for review and concurrence. (June 2003 – ISST, SSDs and SOOs)
2. Analyze transmission timing scenarios (July 2003 – SEC/Tuell).
3. Complete necessary notifications, modifications, and begin new SBN transmissions (August 2003 – OCWWS, OST)
4. Incorporate required software update in OB 2.1 (August 2003 – SEC)
5. Provide a patch to IFPS 14 for immediate use of new data sets (August 2003 – FSL, SEC)
6. Incorporate modifications in IFPS 15 as baseline IFPS SmartInit (December 2003 – FSL, MDL, SEC).
NOTE: This should be passed to Technology Steering Team for implementation tracking.

AWIPS grid change procedure
1. S & T Committee validated this recommendation (June 2003)
2. Pass this requirement to appropriate groups (OST, OCWWS) for implementation (July 31, 2003 – S&T Comm., PMB)
3. Implementation of this new procedure (3rd Quarter, FY04 – OST, OCWWS)
NOTE: This should be passed to Technology Steering Team for implementation tracking.

Enhancements to the GFE (DFC, real-time data, smart initialization)
1. S & T Committee validated this recommendation (June 2003)
2. Pass this requirement to appropriate groups (OST, OCWWS) for implementation (July 31, 2003 – S&T Comm., PMB)
3. FSL begins work on these enhancements (August 1, 2003 – FSL, OST, OCWWS)
   a. GFE Smart Init modifications to take advantage of new GFS data on SBN (Fall 2003 – FSL) Note: will need patch to IFPS 14 and OB 2.1
   b. Real time access to radar/satellite data in GFE (December 2003 – FSL)
   c. Establish RPP-like process for DFC development (August 2003 – FSL, OST, OCWWS)

<u>Overarching Challenges (validation)</u>
Analysis of record (needed for verification and short term forecasting)
1. S & T Committee validated the direction of the ISST (June 2003)
2. Develop plan for collaborative effort to address issues (October 2003 – ISST, PMB, MDL)

Incorporating probabilistic information (convey uncertainty to forecasters and customers)
1. S & T Committee validated the direction of the ISST (June 2003)
2. Develop plan for collaborative effort to address issues (August 2003 – ISST, PMB, MDL, OCWWS NCEP)
   a. Deliver ensemble grids to field (MDL, SEC, NCEP)
   b. Develop forecaster training (OCWWS)
   c. Plan for coordinating with partners and customers on needs (OCWWS)